

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCN No.	ADG/20/12046	
1.3 Title of PCN	Industrial grade qualification of surge suppressor in SMA & SMB packages at Assembly/Test location in China	
1.4 Product Category	• Package: SMA & SMB • Product series: SMP30, SMP50, SMTPA, SMP100LC, SMP100MC, SMP75, SMP80MC. • LBP01-0810B.	
1.5 Issue date	2020-03-06	

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Richard RENARD
2.1.2 Marketing Manager	Eric PARIS
2.1.3 Quality Manager	Jean-Paul REBRASSE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Transfer	Line transfer for a full process or process brick (process step, control plan, recipes) from one site to another site: Assembly site (SOP 2617)	assy site Morocco (ST) and assy site China (subco Liteon)

4. Description of change

	Old	New
4.1 Description	assy site Morocco (ST)	assy site China (subco Liteon)
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	no	

5. Reason / motivation for change

5.1 Motivation	In the frame of the back-end locations management, ST has initiated a transfer of the SMA and SMB lines from its Bouskoura internal plant (Morocco) to back-end partners.This assembly and test plant in China is a subcontractor already qualified and delivering in high volume for ST on SMA and SMB package lines.
5.2 Customer Benefit	MANUFACTURING FLEXIBILITY

6. Marking of parts / traceability of change

6.1 Description	marking, internal codification, QA number
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7. Timing / schedule

7.1 Date of qualification results	2020-12-11
7.2 Intended start of delivery	2021-01-08
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)
12046 Public product.pdf 12046 PCN China subco_SMA & SMB Trisil Industrial_12046.pdf

10. Affected parts		
10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
SMP100LC-140	SMP100LC-140	
SMP100LC-160	SMP100LC-160	
SMP100LC-200	SMP100LC-200	
SMP100LC-230	SMP100LC-230	
SMP100LC-25	SMP100LC-25	
SMP100LC-270	SMP100LC-270	
SMP100LC-35	SMP100LC-35	
SMP100LC-400	SMP100LC-400	
SMP100LC-65	SMP100LC-65	
SMP100LC-8	SMP100LC-8	
SMP100LC-90	SMP100LC-90	
SMP100MC-140	SMP100MC-140	
SMP100MC-160	SMP100MC-160	
SMP100MC-200	SMP100MC-200	
SMP100MC-270	SMP100MC-270	
SMP100MC-400	SMP100MC-400	
SMP30-240	SMP30-240	
SMP30-270	SMP30-270	
SMP30-62	SMP30-62	
SMP30-68	SMP30-68	
SMP50-100	SMP50-100	
SMP50-130	SMP50-130	
SMP50-180	SMP50-180	
SMP50-200	SMP50-200	
SMP50-220	SMP50-220	
SMP50-270	SMP50-270	
SMP50-68	SMP50-68	
SMP75-8	SMP75-8	
SMP80MC-200	SMP80MC-200	
SMP80MC-270	SMP80MC-270	
SMTPA100	SMTPA100	
SMTPA120	SMTPA120	
SMTPA130	SMTPA130	
SMTPA180	SMTPA180	
SMTPA200	SMTPA200	
SMTPA220	SMTPA220	
SMTPA240	SMTPA240	
SMTPA270	SMTPA270	
SMTPA62	SMTPA62	

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<i>PCN</i> <i>Product/Process Change Notification</i>			
Industrial grade qualification of surge suppressor in SMA & SMB packages at Assembly/Test location in China			
Notification number:		Issue Date	05/03/2020
Issued by	Aline AUGIS		
Product series affected by the change		- Package: SMA & SMB - Product series: SMP30, SMP50, SMTPA, SMP100LC, SMP100MC, SMP75, SMP80MC. - LBP01-0810B.	
Type of change		Assembly and test line transfer	
Description of the change STMicroelectronics is qualifying according to industrial grade its SMA and SMB package subcontractor in China .			
Reason for change In the frame of the back-end locations management, ST has initiated a transfer of the SMA and SMB lines from its Bouskoura internal plant (Morocco) to back-end partners. This assembly and test plant in China is a subcontractor already qualified and delivering in high volume for ST on SMA and SMB package lines.			
Former versus changed product:		The changed products will remain fully compliant with product datasheet in term of electrical, dimensional and thermal parameters. The Moisture Sensitivity Level of the part (according to the IPC/JEDEC JSTD-020D standard) remains unchanged. The footprint recommended by ST remains the same. There is no change in packing modes and standard delivery quantities either. The products remain in full compliance with the ST ECOPACK®2 grade ("halogen-free").	
Disposition of former products As communicated in Corporate PCI 11964, ST Bouskoura SMA and SMB production line discontinuation will occur in W39-2020. Units manufactured at ST Bouskoura will be delivered till stock depletion.			

(1) ADG: Automotive and Discrete Group

Marking and traceability

Parts produced in China are differentiated by their **marking** as indicated below

Assembly location	Assy plant code	Date code marking	
		Assy year	Assy week
Morocco (ST)	CZ (on label) Z (on unit)	Y (1 digit indicating the year)	WW (2 digits indicating the week number)
China (subco)	GP (on label) GP (on unit)		

Traceability for the implemented change will be ensured by an **internal codification** and by the **Q.A. number**.

Forecasted qualification date

2020 week 50

Forecasted sample availability

Product family	Sub-family	Commercial part Number	Availability date
Protection device	Surge suppressor	SMP30-240	W50-2020
		SMP30-270	W50-2020
		SMP75-8	W50-2020
		SMP100LC-8	W50-2020
		SMP100LC-25	W50-2020
		SMP100LC-35	W50-2020
		SMP100LC-65	W50-2020
		SMP100LC-140	W50-2020
		SMP100LC-200	W50-2020
		SMP100LC-230	W50-2020
		SMP100LC-270	W50-2020
		SMP100LC-400	W50-2020

Note: Commercial part numbers not included in above table can be delivered on request.

Change implementation schedule

Sales types	Estimated production start	Estimated first shipments
All	2020 week 51	2021 week 01

Comments:

Sample order must be inserted for sampling

Customer's feedback

Please contact your local ST sales representative or quality contact for requests concerning this change notification.

Absence of acknowledgement of this PCN within 30 days of receipt will constitute acceptance of the change

Absence of additional response within 90 days of receipt of this PCN will constitute acceptance of the change

Qualification program and results

QRP availability date: 2020 Week 50



Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

PCN Title : Industrial grade qualification of surge suppressor in SMA & SMB packages at Assembly/Test location in China

PCN Reference : ADG/20/12046

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

SMP30-62	SMTPA120	SMTPA220
SMP100LC-140	SMP30-270	SMP50-200
SMP100MC-270	SMP100LC-90	SMP50-270
SMP100MC-400	SMP50-130	SMP50-68
SMP75-8	SMTPA240	SMTPA130
SMP100LC-200	SMP100MC-160	SMP100LC-230
SMP30-68	SMP100LC-65	SMP50-180
SMTPA68	SMP100LC-400	SMP80MC-270
SMP100MC-200	SMTPA320	SMP30-240
SMP50-220	SMP100LC-8	SMP80MC-200
SMTPA62	SMTPA200	SMP100LC-25
SMTPA100	SMP100LC-35	SMP100LC-270
SMP100MC-140	SMP50-100	SMTPA270
SMP100LC-160	SMTPA180	



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